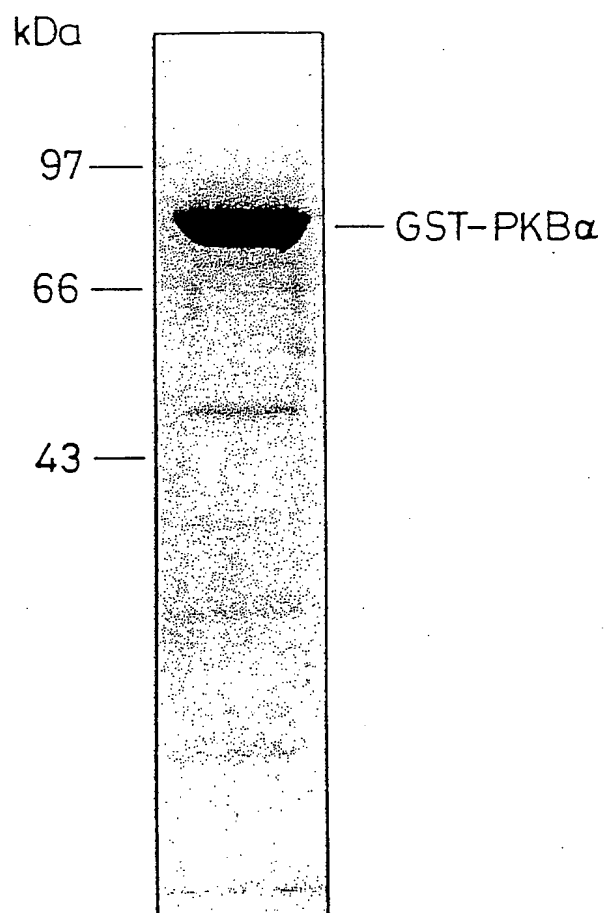
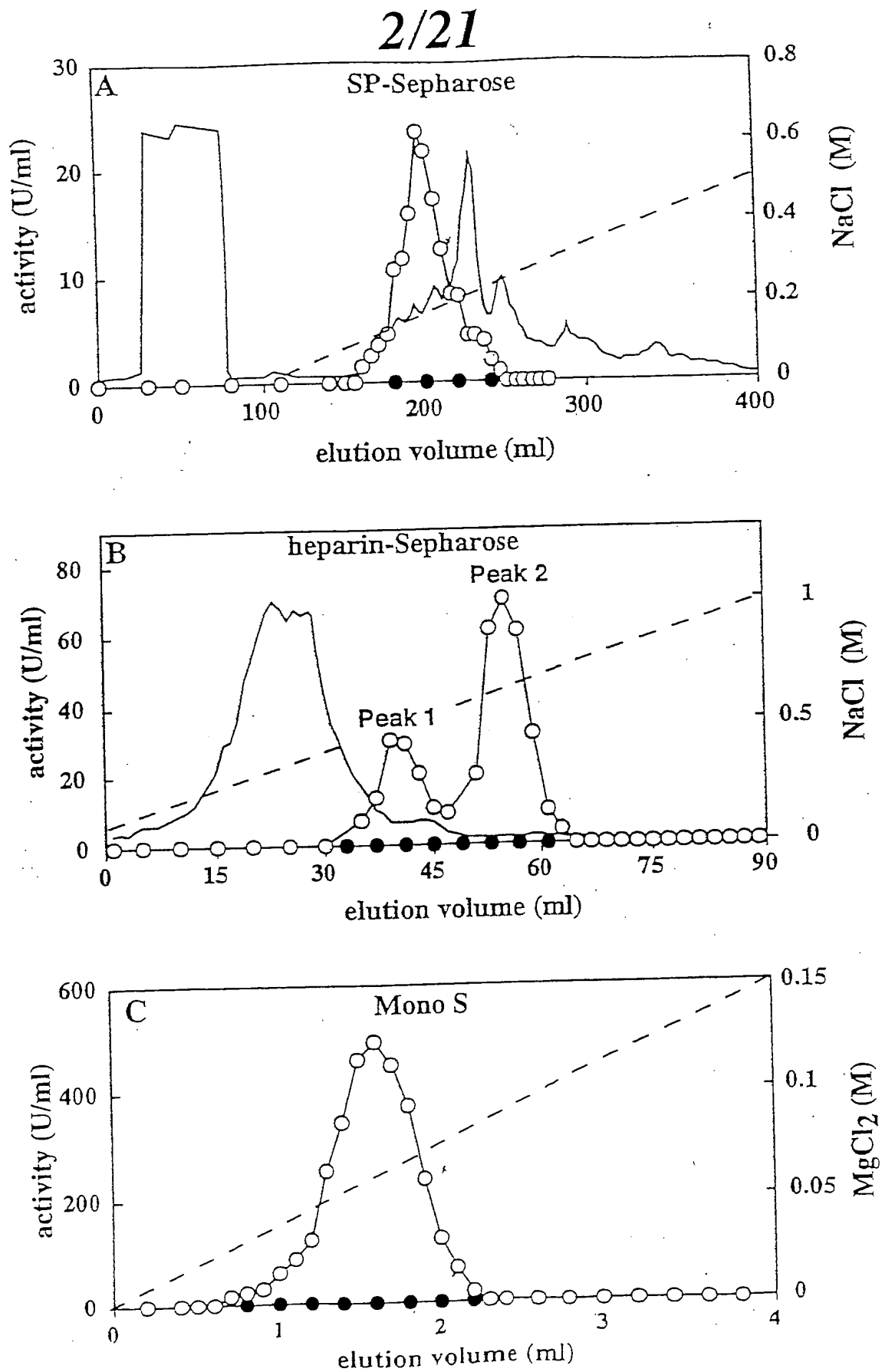


*1/21*

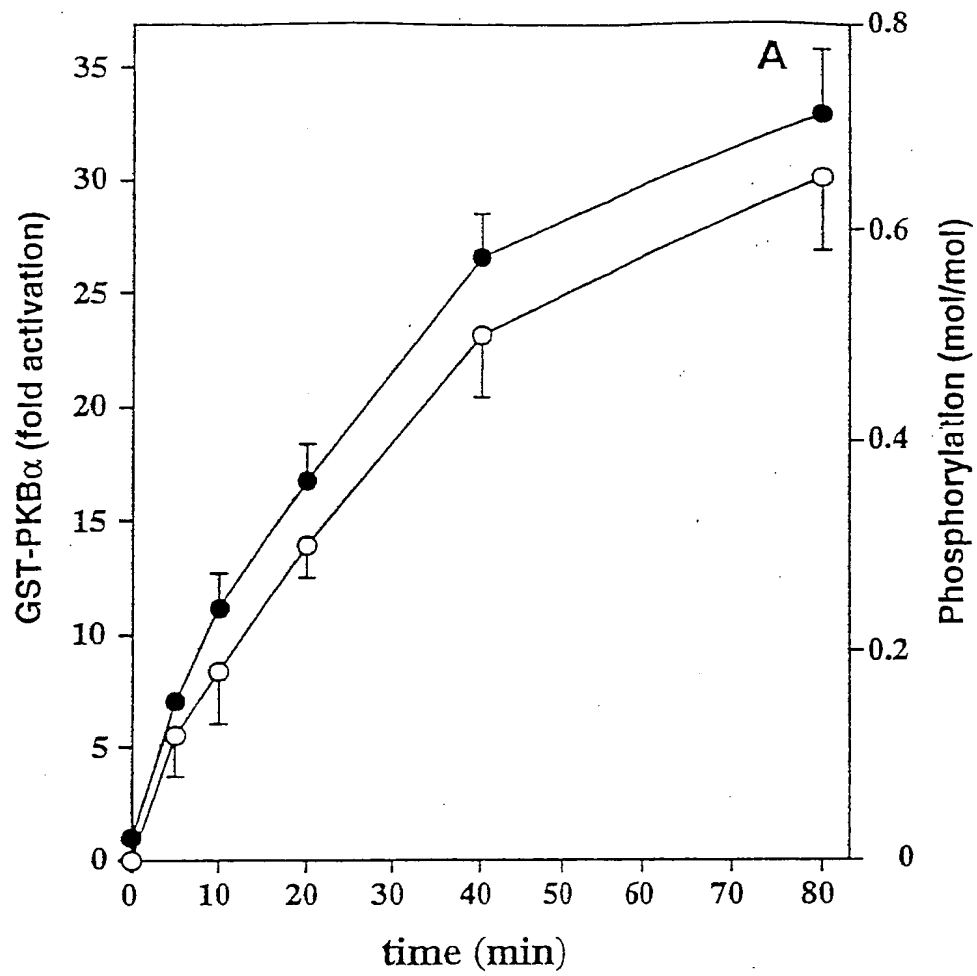


*Fig. 1*



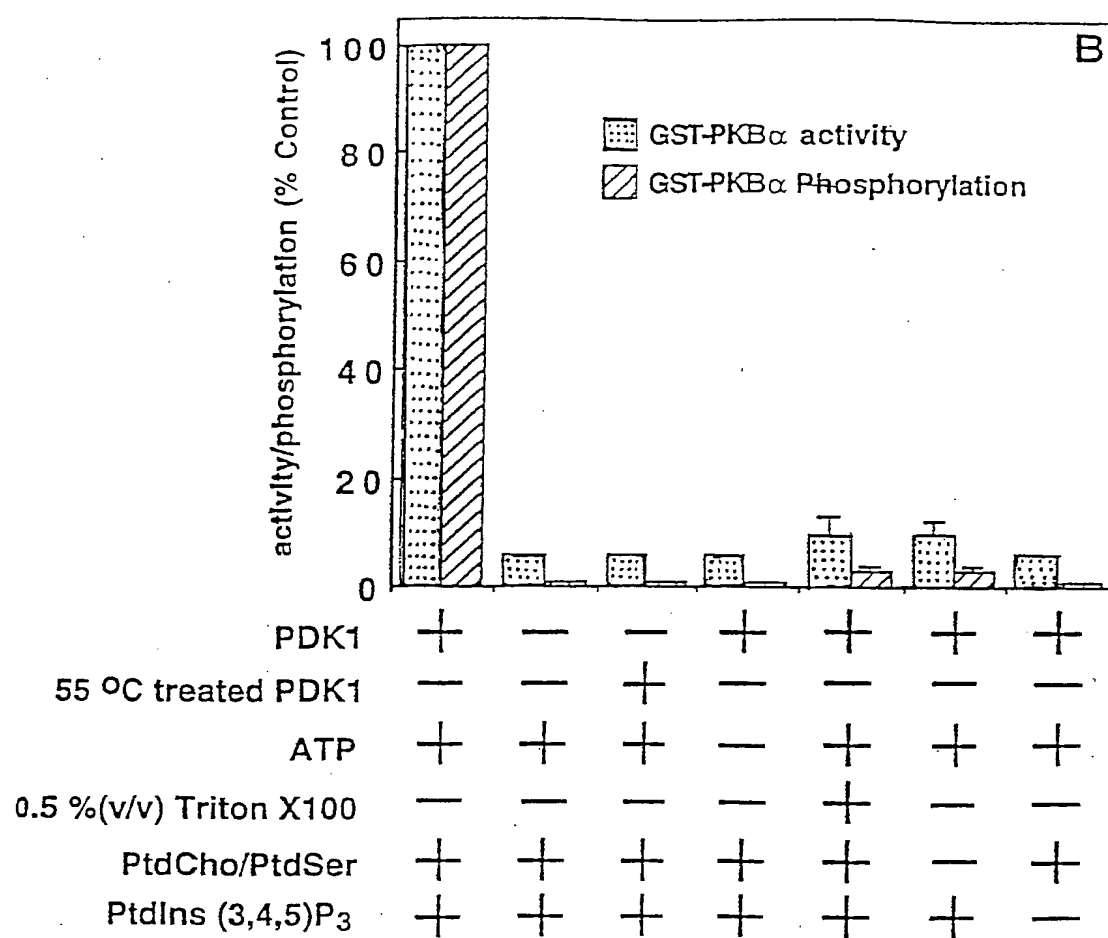
**Fig. 2**

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*Fig. 3A*

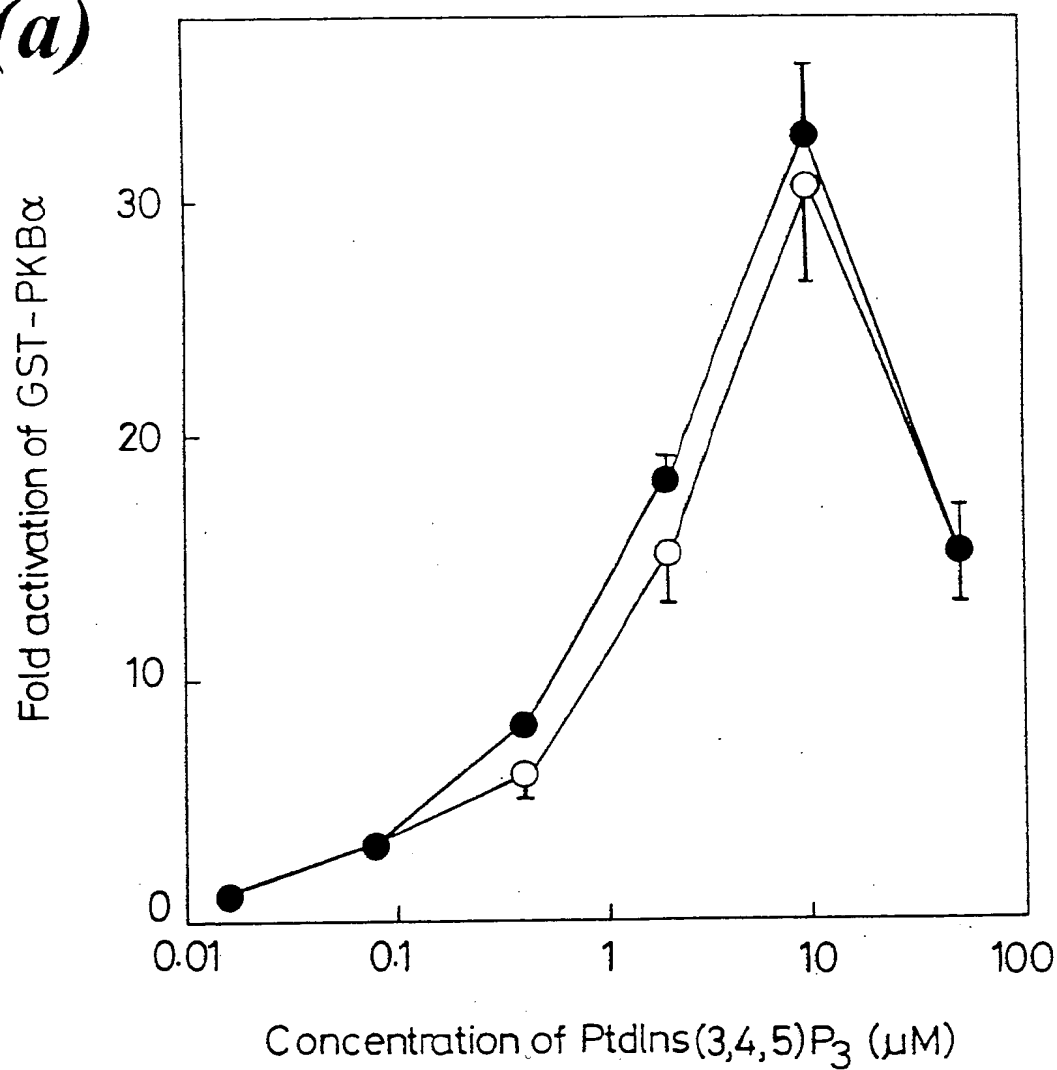
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*Fig. 3B*

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(a)



(b)

Concentration of  
PtdIns(3,4,5)P<sub>3</sub> (μM)

0 0.1 0.4 2 10 50

(c)

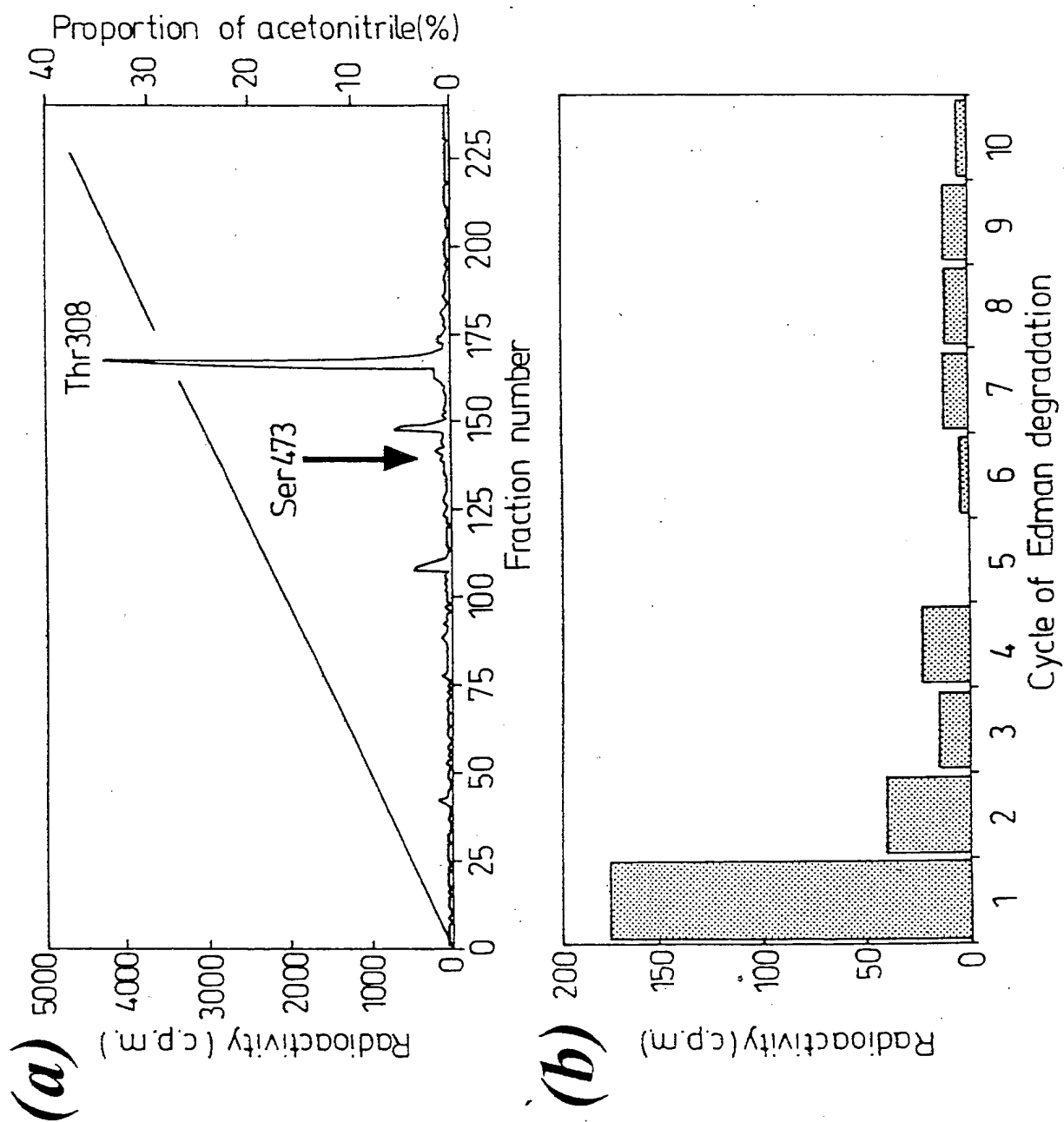
Concentration of  
PtdIns(3,4,5)P<sub>3</sub> (μM)

0 0.1 0.4 2 10 50

**Fig. 4**

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Fig. 5



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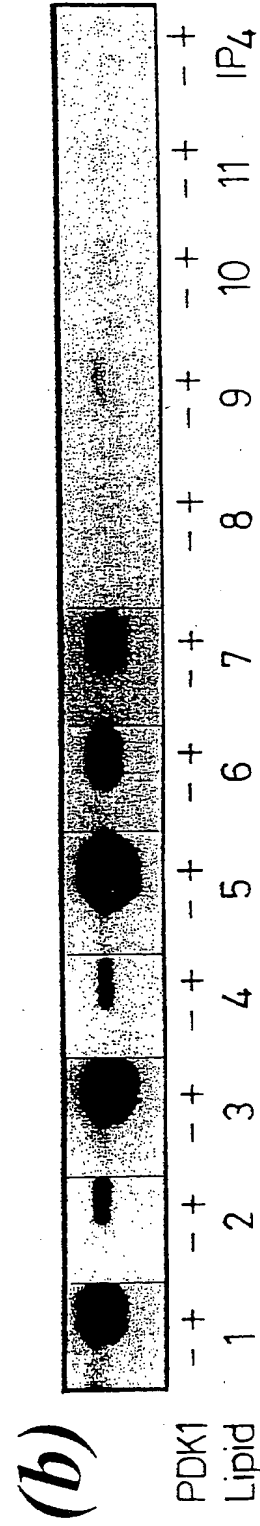
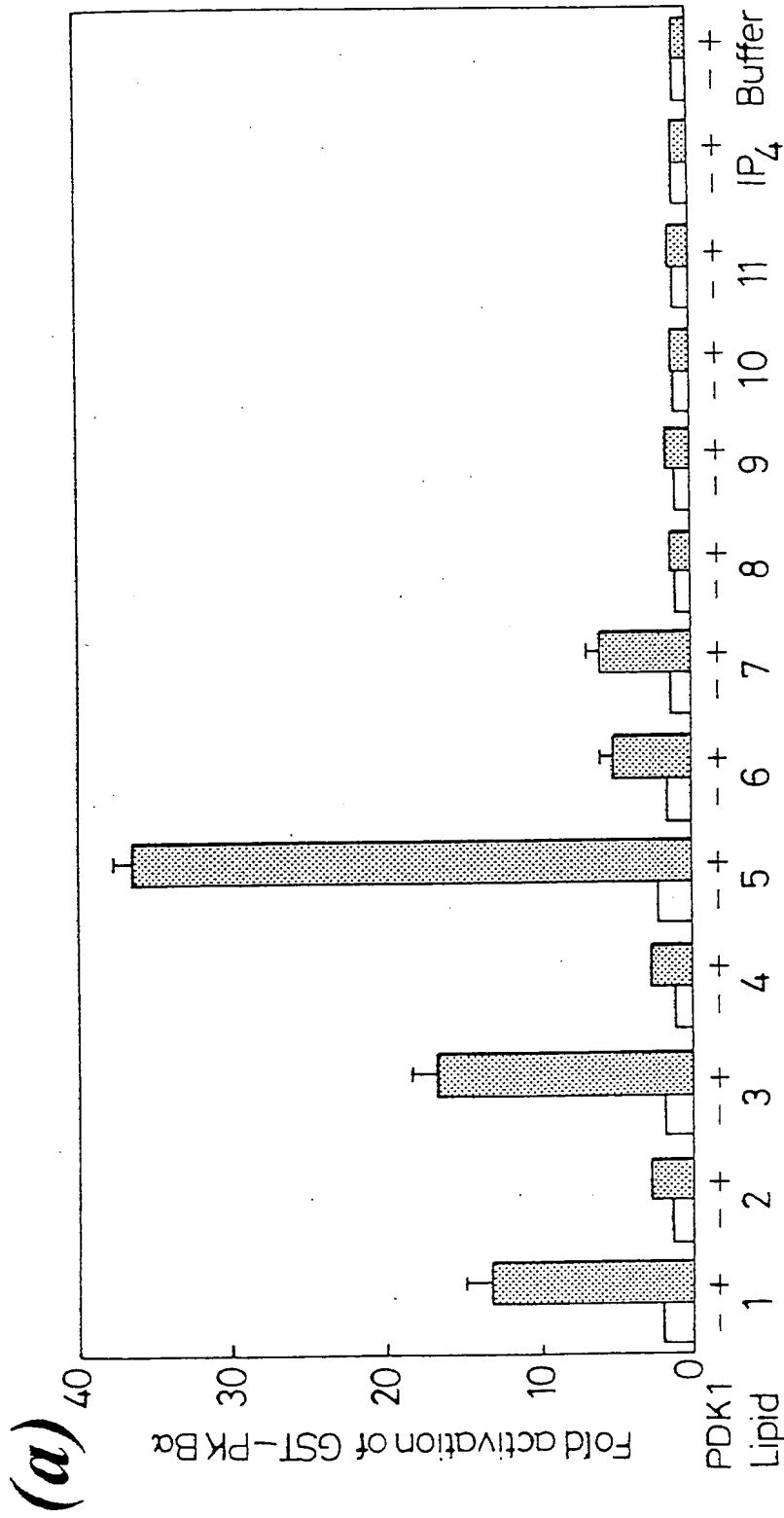
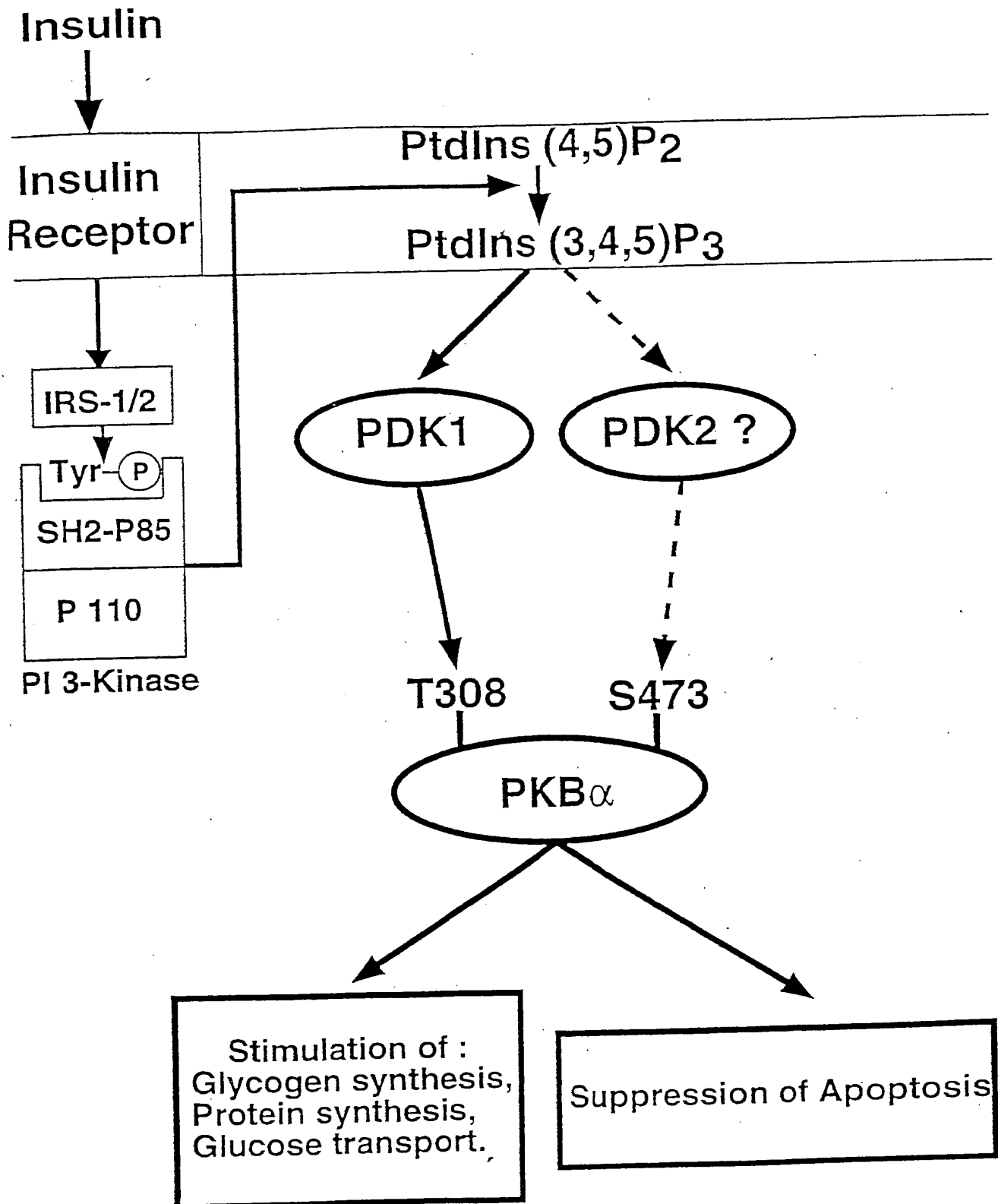


Fig. 6

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*Fig. 7*



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NCBI **Entrez** DOCUMENT REPORTS BLAST **Entrez**

Views:

LOCUS AA121994 419 bp mRNA EST 19-NOV-1996  
 DEFINITION zm24d12.r1 Stratagene pancreas (#937208) Homo sapiens cDNA clone  
 526583, 5' similar to TR:G927730 G927730 D8035.10P. ;  
 ACCESSION AA121994  
 NID gl677930  
 KEYWORDS EST.  
 SOURCE human.  
 ORGANISM Homo sapiens  
 Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;  
 Vertebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 REFERENCE 1 (bases 1 to 419)  
 AUTHORS Hillier, L., Clark, N., Dubuque, T., Elliston, K., Hawkins, M.,  
 Holman, M., Hultman, M., Kucaba, T., Le, M., Lennon, G., Marra, M.,  
 Parsons, J., Rifkin, L., Rohlfing, T., Tan, F., Trevaskis, E.,  
 Waterston, R., Williamson, A., Wohldmann, P. and Wilson, R.  
 TITLE WashU-Merck EST Project  
 JOURNAL Unpublished (1995)  
 COMMENT  
 Contact: Wilson RK  
 WashU-Merck EST Project  
 Washington University School of Medicine  
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
 Tel: 314 286 1800  
 Fax: 314 286 1810  
 Email: est@watson.wustl.edu  
 This clone is available royalty-free through LLNL ; contact the  
 IMAGE Consortium (info@image.llnl.gov) for further information.  
 Seq primer: -28M13 rev2 from Amersham  
 High quality sequence stop: 343.  
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 CTCGAGTTTTTTTTTTTTTTT 3'"  
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 /lab\_host="SOLR cells (kanamycin resistant)"  
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 BASE COUNT 107 a 105 c 107 g 92 t 8 others  
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 61 actgcagccg agcctcgncc agggccggca tcccatgcag catgccagcc tccgccgcag  
 121 ctcggaagaa gcggcctgag gacttcaagt ttgggaaaat cttggggaag gctcttttnc  
 181 acggttgctt ggctcgagaa ctggcaacct ccagagaata tgcgattaaa atnctggaga  
 241 agcgacatat cataaaagag aacaagggtc ctatgtaacc agagantggg atgtcatgtc  
 301 gcgcctggat cacccttctt ttgttaagct ttacttcaca tttcaggacg acgagaagnt  
 361 gtatttcggc cttagttatg cnaaaaattg gagaactact taaatatatt cgcaaaatc

Fig. 8

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NCBI PubMed PubMed QUERY PubMed ?

Other Formats: Report FASTA Graphic

LOCUS AA186323 548 bp mRNA EST 13-JAN-1997  
DEFINITION zp80d08.s1 Stratagene HeLa cell s3 937216 Homo sapiens cDNA clone

626511, 3'

ACCESSION AA186323

NID g1774441

KEYWORDS EST.

SOURCE human.

ORGANISM Homo sapiens

Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata; Vertebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 548)

AUTHORS Hillier, L., Clark, N., Dubuque, T., Elliston, K., Hawkins, M., Holman, M., Hultman, M., Kucaba, T., Le, M., Lennon, G., Marra, M., Parsons, J., Rifkin, L., Rohlfing, T., Tan, F., Trevaskis, E., Waterston, R., Williamson, A., Wohldmann, P. and Wilson, R.

TITLE WashU-Merck EST Project

JOURNAL Unpublished (1995)

COMMENT

Contact: Wilson RK  
WashU-Merck EST Project  
Washington University School of Medicine  
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
Tel: 314 286 1800  
Fax: 314 286 1810  
Email: est@watson.wustl.edu

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.  
Seq primer: -40M13 fwd. from Amersham  
High quality sequence stop: 387.

FEATURES

source

Location/Qualifiers

1..548

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/lab\_host="SOLR (kanamycin resistant)"

complement(<1..>548)

mRNA

BASE COUNT

118 a 144 c 135 g 145 t 6 others

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121 ggcagcccg cgcacncga tcaactgcaca ggcgcgtccg ggtggctctg gtatcgctgc
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301 agttcttggtg accaaggaat ttcaccttcc agaactttgt tgacaggatc cacataatat
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//

Fig. 9

[illegible]

**Fig. 10 A**

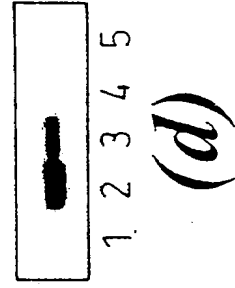
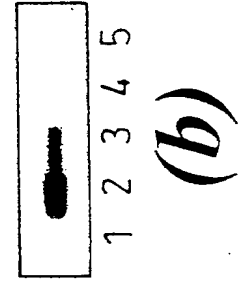
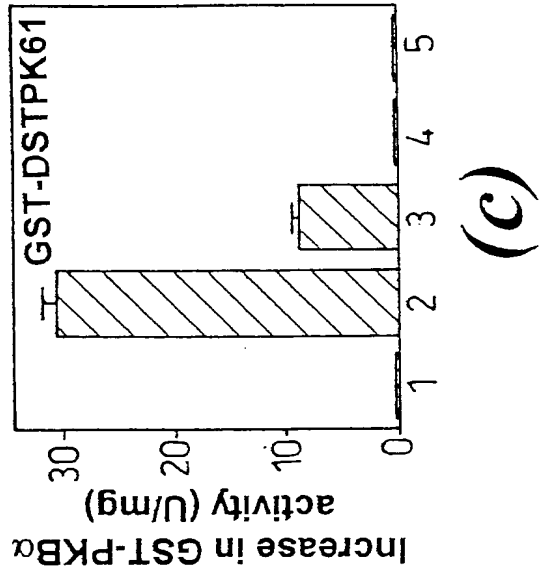
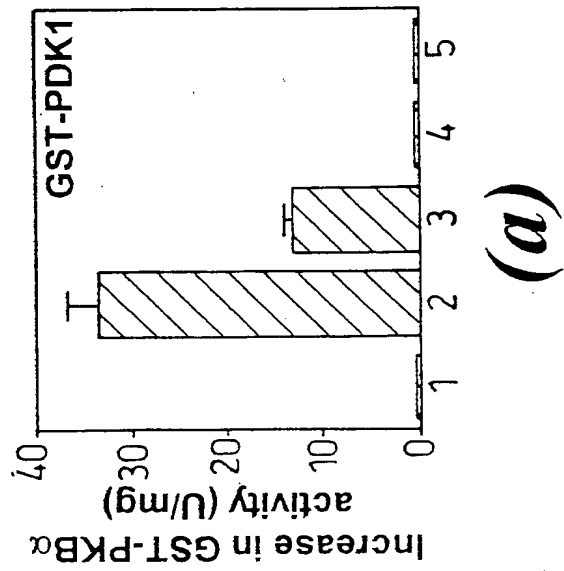
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1171	TCCTCCTCCTCACACTCCCTGTCAGCCTCCGACACGGGCTGCCCCAGAGGTGAGGCAGCAACATAGACAGTACATTCACGATCTGGAC	1260
391	S S S H S L S A S D T G L P Q R S G S N I E Q Y I H D L D	420
1261	TCGAACTCCTTGAACCTGGACTTACAGTTTCCGAGATGAGAAGAGGTTGTTGGAGAAGCAGGCTGGCGGAAACCCCTTGGCACCAG	1350
421	S N S F E L D L Q F S E D E K R L L L E K Q A G G N P W H Q	450
1351	TTTGTAGAAAAATAATTAACTAAAGATGGGCCCCAGTGGATAAGCGGAAGGGTTTATTGCAAGACGACGACAGCTGTTGCTCACAGAA	1440
451	F V E N N L I L K M G P V D K R K G L F A R R Q L L L T E	480
1441	GGACCACATTTATATGTTGGATCCTGTCAACAAAGTTCTGAAAGGTGAAATTCCTTGGTCACAAGAACTTCGACCAGAGGCCAAGAAT	1530
481	G P H L Y Y V D P V N K V L K G E I P W S Q E L R P E A K N	510
1531	TTTAAACITTTCTTGTCCACACGCGCTAACAGGACGTATTATCTGATGACCCCGGGAACGCACACAAGTGTGCGAGGAAGATCCAG	1620
511	F K T F F V H T P N R T Y Y L M D P S G N A H K W C R K I Q	540
1621	GAGGTTTGGAGGCGGATACCCAGAGCCACCCGGACGCGCTGTGCAGTACGTGGCCTGCGGGCCGGGCTGCCCTTCGCTGCCAGGACAC	1710
541	E V W R Q R Y Q S H P D A A V Q *	556
1711	CTGCCCCAGCGGGCTTGGCCGCCATCCGGGACGCTTCCAGACCACCTTGCACGCCATCACAAAGGGGAACGCAGAGGCGGAAACCTTGCAG	1800
1801	CATTTTATT	1811

Fig. 10 B

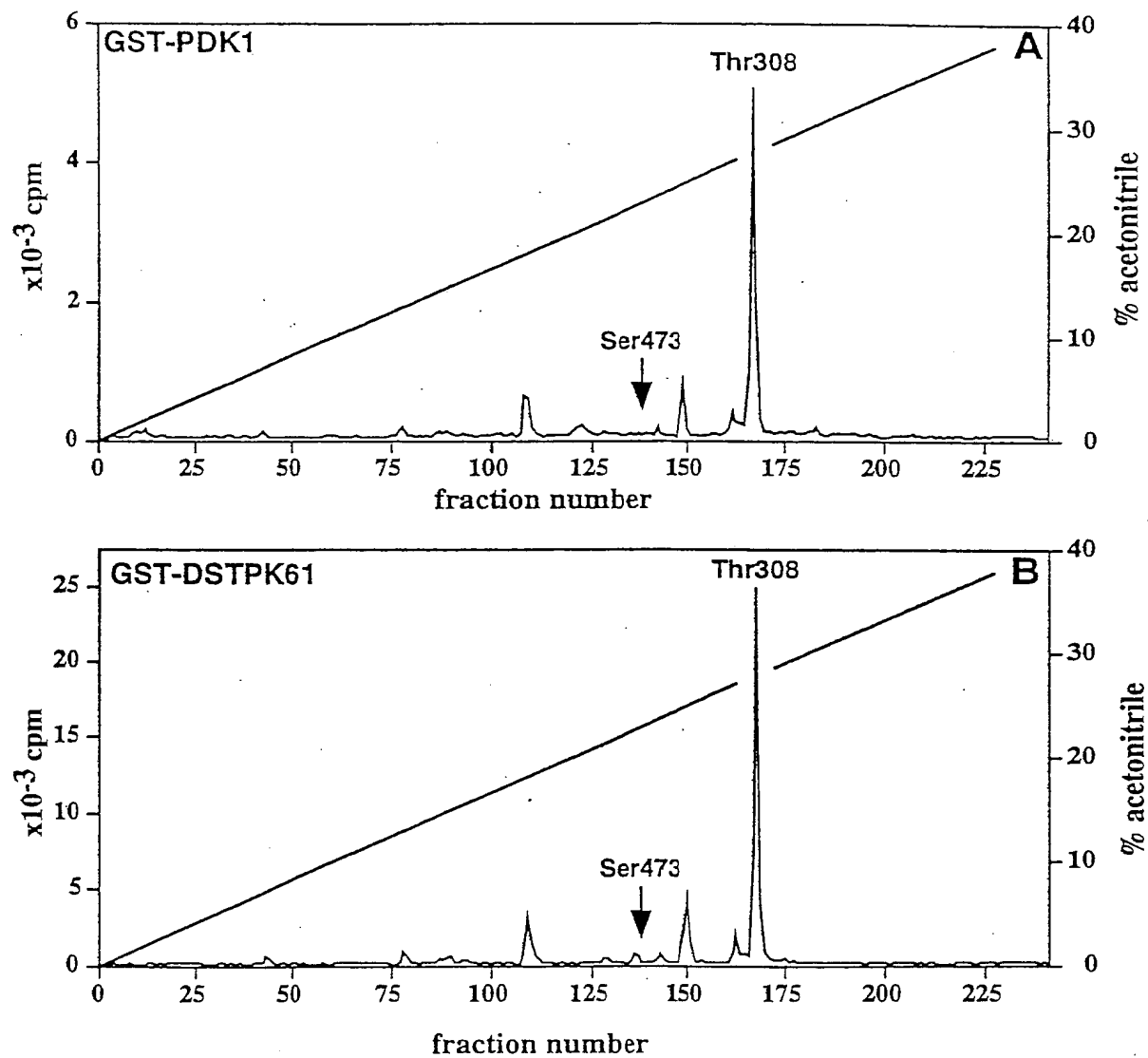
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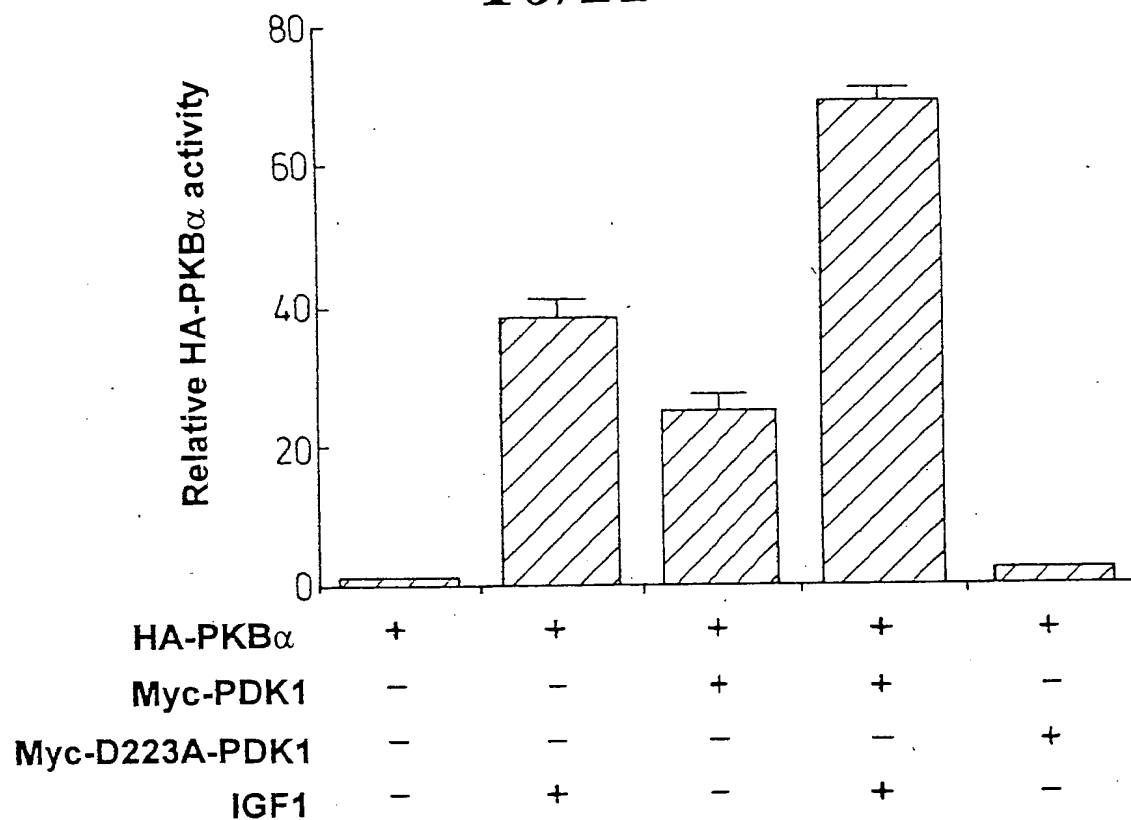
**Fig. 12**

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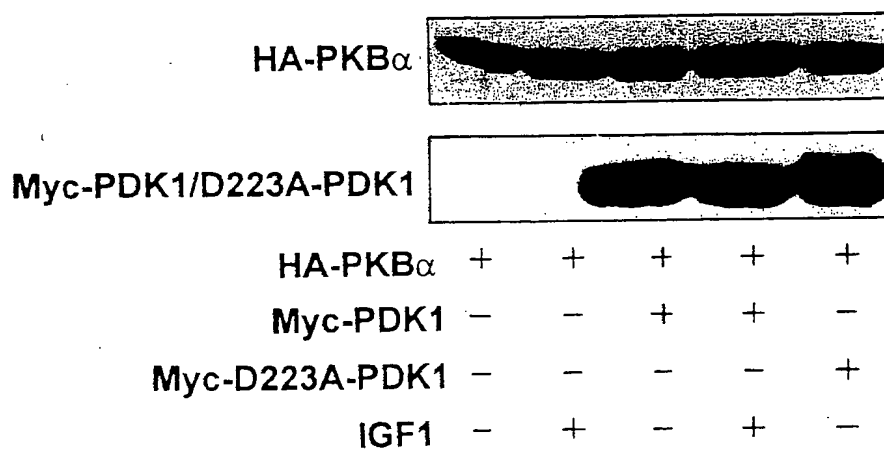


*Fig. 13*

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(a)

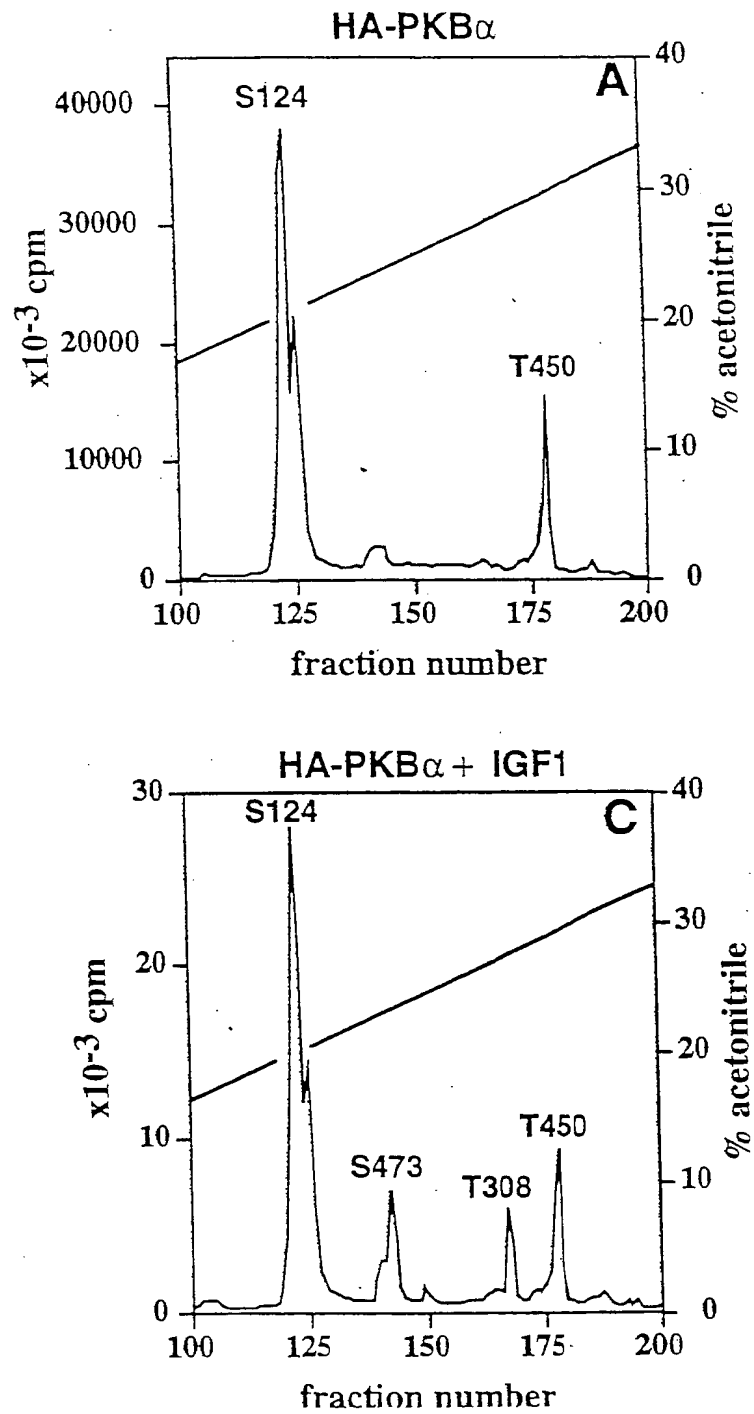


(b)

*Fig 14*

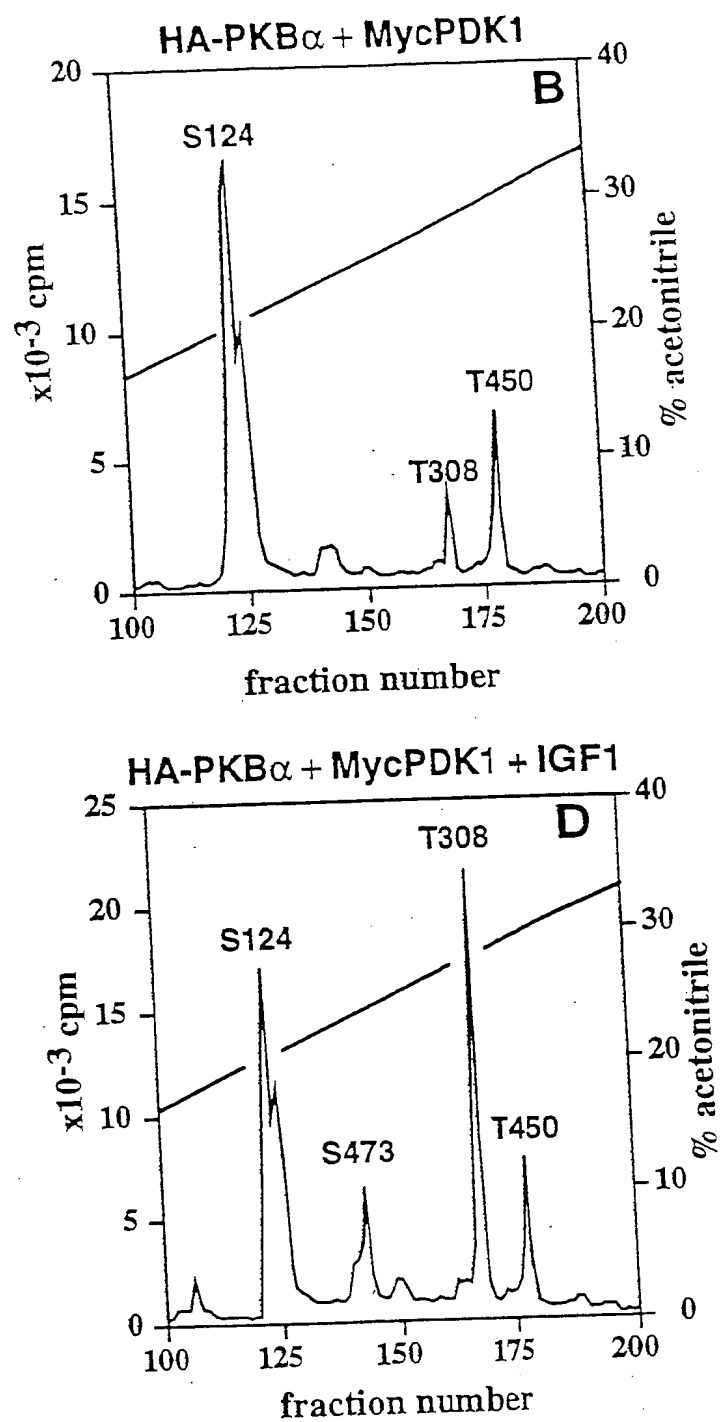


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*Fig. 15*

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**Fig. 15**

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A

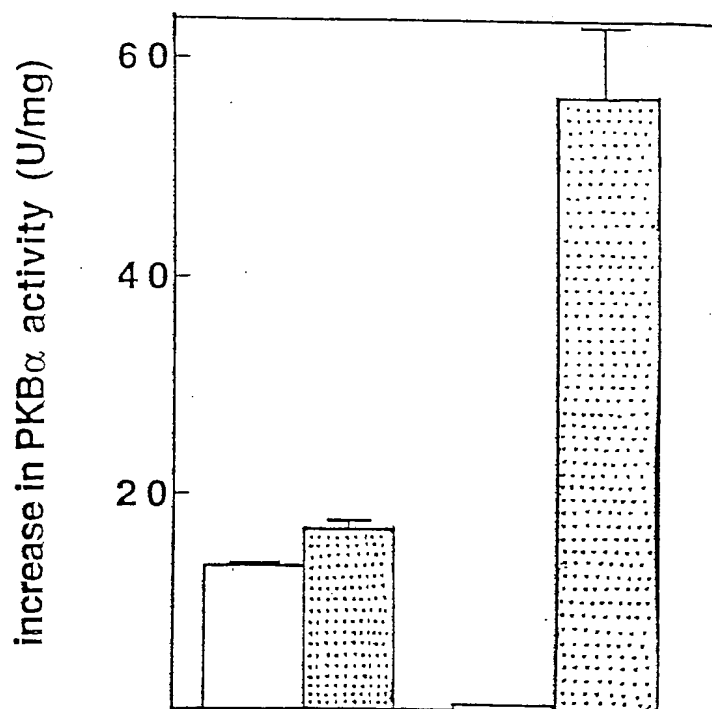
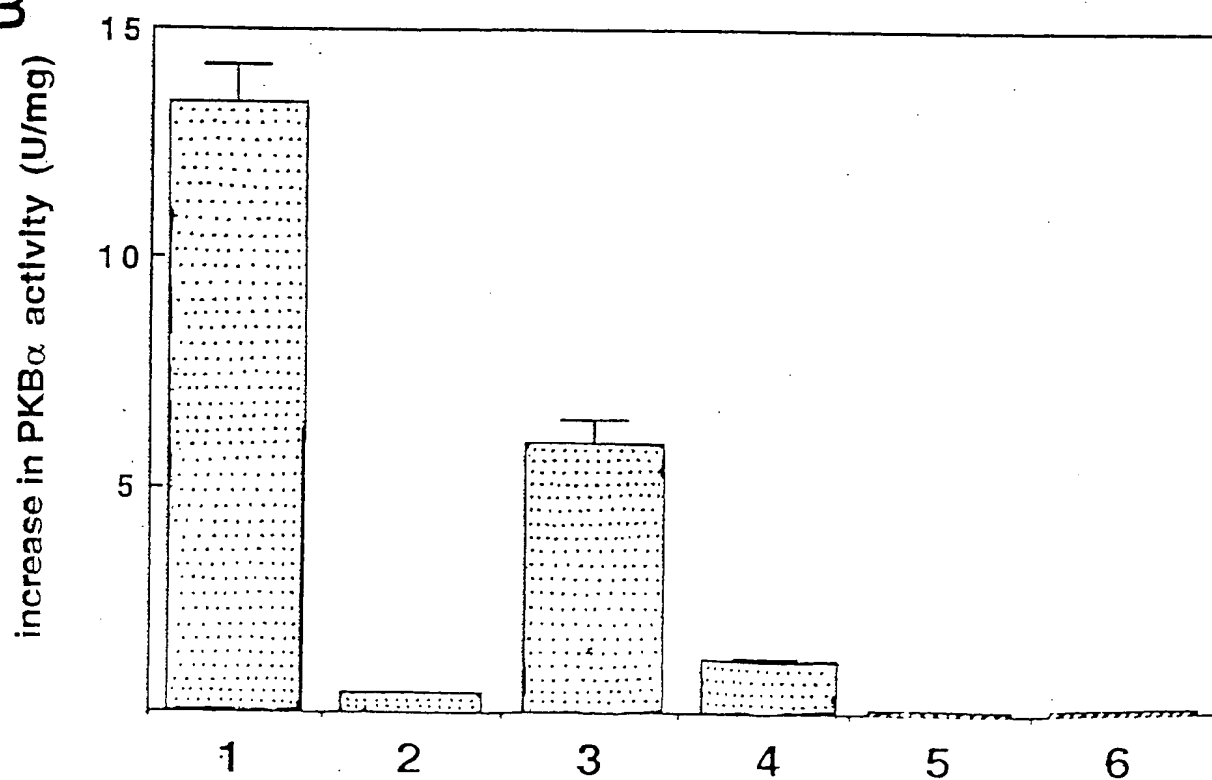


Fig. 16

GST- $\Delta$ PH-PKB $\alpha$	+	+	-	-
GST-PKB $\alpha$	-	-	+	+
GST-PDK1	+	+	+	+
PtdIns(3,4,5)P $_3$	-	+	-	+

B



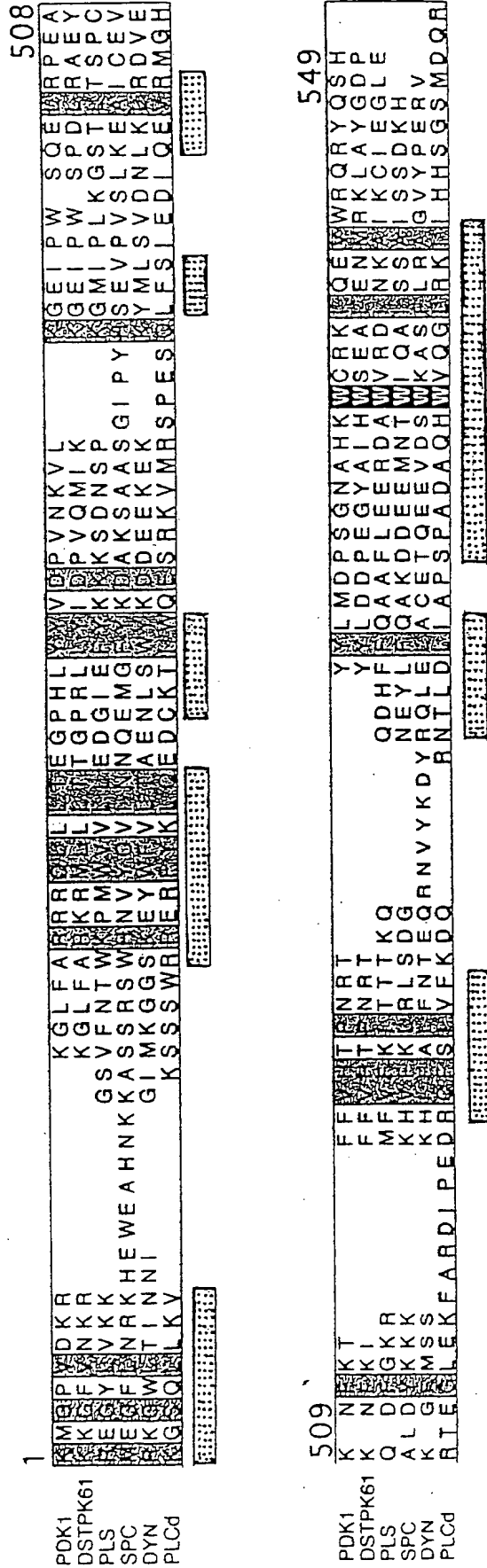
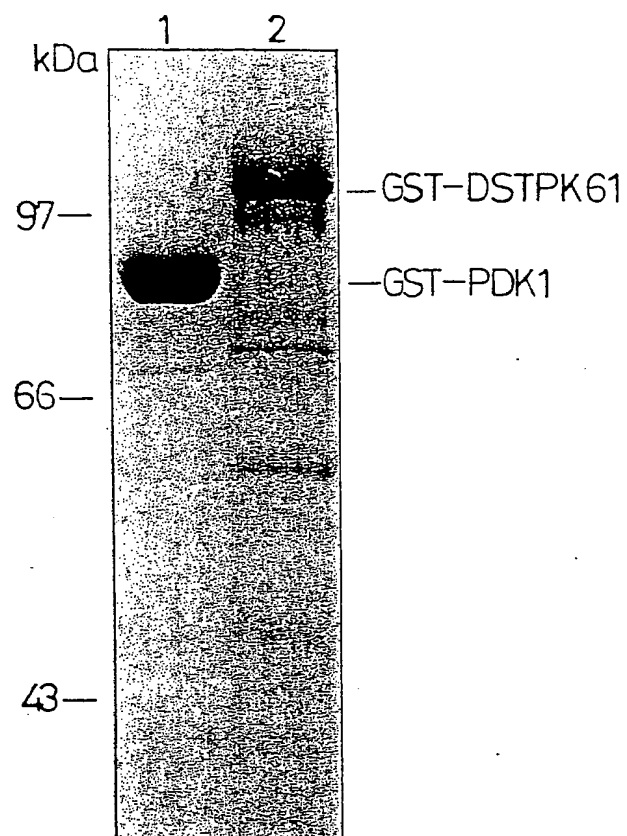


Fig. 17

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*Fig. 18*